

	5090E
ENGINE	
Rated power (97/68EC) hp (kW)	92 hp (68.6 kW)
Maximum Torque, Nm	355 N.m @ 1400 rpm
Torque Reserve, percentage (%)	24%
PTO Power	86.3 hp (64.3 kW)
Aspiration	Turbo Charged
Engine Manufacturer	John Deere Power Systems
Engine Type (4 Cylinder), Displacement	4.5 L PowerTech, Turbo Charged Diesel Engine
Fuel System	Distributor-type Injection Pump, Direct Injection
Air Filter	Dry Type, Dual Element
Cooling system	Liquid Cooled
TRANSMISSION	
9F/3R Synchronised Transmission (with Dry Clutch)	X
12F/12R PowerReversed SyncShuttle Transmission (Wet Clutch)	Optional
CLUTCH	
Clutch	Dry Clutch (DC) / Wet Clutch (WC)
REAR AXLE	
OOS/CAB	Inboard Planetary Final Drives
FRONT AXLE	
2WD (Two Wheel Drive)	Optional
MFWD (4 Wheel Drive) Front Axle Electrohydraulic	X
STEERING	
Type (OOS/CAB)	Hydrostatic Power Steering
BRAKE	
Type	Hydraulic Actuated Wet Disk Brakes - Self Adjusting
Secondary Brake	Hand Brake
HYDRAULIC SYSTEM	
Type (OOS/CAB)	Open Center Hydraulic System
Steering Pump Total flow (L/pm)	24,9
Implement Pump (L/pm)	60,2
Maximum No. of SCV's OOS/CAB	1 / 2 Double Acting Rear Selective Control Valves
ELECTRICAL SYSTEM	
Alternator Size (A)	70 (OOS) / 90 (CAB)
3- POINT HITCH REAR	
Category	3-Point (Category III) with Sway Chains or Telescopic Stabiliser Bars
Lift Capacity at the ball (kg)	1900
REAR POWER TAKE-OFF (PTO)	
540 RPM Rear PTO Shaft	X (9F/3R Transmission)
540/540E RPM Rear PTO Shaft	X (12F/12R Transmission)
OPERATOR STATION	
Open Operator Station	X
Cab	X
High Clearance Option - 5090EH	OOS & CAB
Instrument Panel	Digital Dashboard Display
CAPACITIES	
Fuel Tank (L)	95 (OOS) / 125 (CAB)
DIMENSIONS and WEIGHTS	
Wheelbase (mm)	2179
Ground clearance (mm), Center MFWD without front ballast	556 [TWD] / 360 [MFWD]
Tractor weight (kg) shipping weight not ballasted	2840 (OOS) / 3220 (CAB)
WHEELS and TIRES	
Front wheels (2WD)	10.0-16 (8PR)
Front Wheels (MFWD) (Radial tire technology)	320/85R27 (OOS) / 320/85R24 (CAB)
Rear Wheels (Radial tire technology)	460/85R32 (OOS) / 460/85R30 (CAB)

This literature has been compiled for broad circulation in Africa Middle East (AME). While general information, pictures and descriptions are provided, some illustrations and text may include finance product options and accessories not available in all regions. Please contact your local dealer for details. John Deere reserves the right to change specification and design of products described in this literature without notice. The green and yellow colour scheme, the leaping deer logo and the JOHN DEERE word mark are trademarks of Deere & Company.

The literature on the 5E 4 Cylinder is related only to all Africa and Middle East markets.



5E SERIES

4 CYLINDER TRACTORS



5E SERIES 4 CYLINDER TRACTORS

THE PERFECT FIT FOR YOUR GENERAL FARMING OPERATIONS

The 5E 4-cylinder models are ideal for the utility operations requiring reliable higher horsepower. These tractors offer more power to the ground with more time in field with less maintenance intervals.



GRAINS



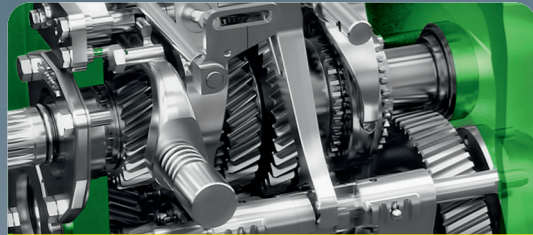
BEEF & DAIRY



HAY & FORAGE



HIGH VALUE CROP



TRANSMISSION OPTIONS

Different transmission options to choose from:

- **9F/3R SyncShuttle™ TSS (Top Synchro Shaft transmission),**
- **12F/12R PowrReverser™ transmission.**

The **SyncShuttle™** transmission with pressurised lubrication of the top shaft benefits secure unsurpassed transmission reliability in any application.

The **12F/12R PowrReverser™** transmission offers a wider selection of speed gears, a hydraulic forward reverser and Electro Hydraulic clutch, easing direction change and complementing application at the ideal speed.



OPERATOR STATION

Increased productivity, reduced operator fatigue and greater maneuverability, are complemented by this tractor. The ergonomically designed Comfortable Operator Station includes features such as:

- **adjustable seat,**
- **hydrostatic steering wheel,**
- **multifunctional Instrumental Panel,**
- **controls and instrumentation that are well positioned for easier operations.**



THREE POINT HITCH

The Three Point Hitch is designed to match your implements for **optimal efficiency.**

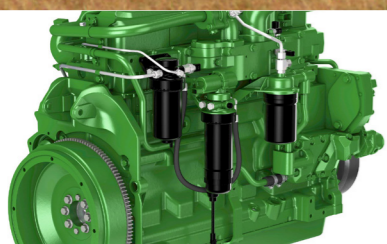
An industry leading hitch load and depth control functions, allow you to adjust the hitch function based on the specific application needs increasing productivity within any operation.



540/540E PTO

The **540 Economic PTO (Power Take Off)** is the preferred choice to ensure lowest fuel consumption throughout the operation.

The 540/540E PTO comes standard with the 5E Series tractors and allows the efficient application of PTO driven operations to benefit improved daily productivity and optimise operational cost.



4.5L POWERTECH™ ENGINE

John Deere-designed and -manufactured diesel engines provide **excellent torque, fuel efficiency, and durability.**

High-ring piston design reduces the non-usable air in the combustion area of the cylinders for improved fuel efficiency and combustion so the most power is received from every engine stroke.



SELF ADJUSTING OIL EMERGED BRAKES

The 5E 4 Cylinder tractor series comes standard with self adjusting oil emerged brakes. In comparison to disc brakes, this allows for a **more responsive braking** experience especially when carting a heavy load. A reliable feature that ensures a **longer lifespan** on your tractor's brakes.



ONBOARD PLANETARY FINAL DRIVE

The heavy-duty Final Drive on the 5E tractors ensures trouble free application in severe heavy duty primary tillage applications.

Designed with onboard planetary final reduction gears **ensuring efficient power transfer** through the rear axle to the ground. This feature permits **longevity** for the driveline components.



GENUINE JOHN DEERE PARTS

John Deere delivers quality parts that are **tailored to enhance** the performance, comfort, and reliability of your tractor. Genuine tractor parts operate and function perfectly as they are created when the tractor is designed and developed. Your John Deere tractor will stay as reliable as the day it was bought - for years and years to come.